

Application No.: 10/771,040
Docket No.: UC0210USNA

REMARKS

Status of the Application

Applicants acknowledge, with thanks, the Examiner's statement concerning the reopening of prosecution in this application.

This paper is responsive to the Office Action, entered in the above referenced pending application.

Claims 1-6, 7-12, 14, 18, and 19 are pending. Claims 18 and 19 are newly added and Claims 7 and 13 are canceled herein.

Claim 1 has been amended to recite that the aromatic monomer is spirobifluorene or bridged biphenyl.

Claims 5, 6, and 10-12 have been amended to change the dependency. This was done for clarification

Claims 8 and 9 have been amended to be dependent upon newly added Claim 18. Claim 9 has been further amended for clarification.

Claim 18 has been added to recite a polymer having an aromatic monomer which is fluorene having two substituents which are alkyl, alkenyl, alkynyl, or the hetero analogs. Support for this can be found throughout the specification and in originally filed Claim 1.

Claim 19 has been added to recite an electronic device comprising at least one layer comprising the polymer of Claim 1 or Claim 18. Support for this can be found at page 6, lines 4-8.

Claim 20 has been added to recite fluorene copolymers, fluorene-bridged biphenyl copolymers, fluorene-spirofluorene copolymers, and spirofluorene-bridged biphenyl copolymers.

No new matter has been introduced by any of the amendments or additions. The pending claims stand rejected under 35 U.S.C. § 102.

Claim Rejections - 35 U.S.C. § 102

Claims 1 and 3-14 are rejected under 35 U.S.C. § 102(b) as being anticipated by Woo et al., U.S. Patent No. 5,962,631 ("Woo").

Woo discloses polymers and copolymers of 9-substituted fluorenes.

With respect to Claim 1, as amended, there is no disclosure in Woo of polymers of spirobifluorenes or bridged biphenyls.

With respect to newly added Claims 18 and 20, there is no disclosure or suggestion in Woo of fluorene polymers where the monomer units have two different substituents selected from alkyl, alkenyl, and alkynyl groups, or their heteroanalog. In all of the examples, each fluorene monomer has two identical substituents, or a single cyclic substituent joining the two phenyl moieties of the fluorene. There is no teaching that films made with fluorene polymers having two different substituents, as recited in Claim 18, will have altered morphologies

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resulting in more efficient devices. There is no suggestion that such polymers will have improved processability.

With respect to Claim 14, there is no suggestion in *Woo* of the process recited therein, or of a polymer made by the process.

Applicants respectfully submit that independent Claims 1, 14, and 18, as well as the claims dependent thereon, are not anticipated by *Woo*. Applicants request that this rejection be withdrawn.

Claims 1-2 and 11-14 are rejected under 35 U.S.C. § 102(b) as being anticipated by *O'Dell* et al., U.S. Publication No. 2004/0158017 ("*O'Dell*").

O'Dell discloses a polymer having monomeric units which are fluorenes having aryl substituents at the 9 position. The two substituents can be different.

With respect to Claim 1, as amended, there is no disclosure or suggestion in *O'Dell* of polymers of spirobifluorenes or bridged biphenyls.

With respect to newly added Claims 18 and 20, there is no disclosure or suggestion in *O'Dell* of fluorene polymers where the monomer units have two different substituents selected from alkyl, alkenyl, and alkynyl groups, or their heteroanalogs. *O'Dell* only discloses aryl substituents.

With respect to Claim 14, there is no teaching or suggestion in *O'Dell* of the process recited therein, or of a polymer made by the process.

Applicants respectfully submit that independent Claims 1, 14, and 18, as well as the claims dependent thereon, are not anticipated by *O'Dell*. Applicants request that this rejection be withdrawn.

Conclusion

In view of the foregoing remarks, Applicants submit that a thorough and complete response to the Office Action mailed on March 5, 2007, has been made in this paper and that the above referenced pending application is in condition for allowance. A Notice of Allowance for Claims 1-6, 7-12, 14, 18, and 19 is therefore earnestly solicited.

Respectfully submitted,


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